

DEPARTMENT OF MARINE AND FISHERIES, CANADA.
METEOROLOGICAL SERVICE.

Monthly Weather Review

VOL. XXXVIII.

JUNE, 1914

No. 6

INTRODUCTION.

In compiling the present Review, the principal data made use of are the telegraphic reports of observations received at this office for the purpose of weather forecasting, and reports by mail from voluntary observers and storm-signal agents. For the data used in tracing the paths of areas of high and low pressure in the United States, we are indebted to the Chief of the Weather Bureau, Washington, D.C.

HIGH AREAS.

Eight areas of high pressure were charted. One first appeared in Northern Alberta, two over Vancouver Island, two on the North Pacific States coast, two in the vicinity of Hudson's Bay and one near Labrador. The general course of the areas was either over or in close proximity to the Great Lakes, thence to the Atlantic and out to sea. The systems assumed the usual feeble proportions characteristic of the summer highs, excluding the one which appeared near James Bay on the 4th and travelled southeasterly to the New England States. This latter system was energetic and attended by unseasonably low temperatures. The area also which moved from Hudson's Bay to the Lower Lake region between the 17th and 20th, although feeble, was likewise attended by unusually low temperatures for the season of the year, causing local frosts in portions of Ontario.

LOW AREAS.

Seven areas of low pressure were sufficiently defined to allow of their paths being charted with a certain degree of accuracy, but there were others of shallow proportions and of short duration whose paths could not be definitely placed. Of the seven areas traced two were quite remarkable for the season of the year. The first apparently originated in Lower California; travelled northward over the Pacific States to our Western Provinces, then spread slowly eastward over the continent; on the 4th, however, an offshoot of the main system passed quickly over the Lower Lake Region to the New England States, where it suddenly developed unusual energy, and on the 5th swept over the Maritime Provinces as a severe storm. The main system itself eventually reached the Gulf of St. Lawrence on the 10th. The second system was situated in the Middle Pacific States on the 24th, and afterwards moving slowly directly over the Great Lakes between the 27th and 28th, it caused there heavy rains and moderate gales.

ATMOSPHERIC PRESSURE.

From the Pacific coast to central Saskatchewan the mean pressure was at nearly all stations from one to four one-hundredths below normal. From Qu'Appelle eastward to Ottawa the differences from normal were in all instances positive, ranging from one to five one-hundredths of an inch. From Montreal to the Newfoundland east coast the differences were negative, ranging from one to eight one-hundredths.

GENERAL SYNOPSIS OF TEMPERATURE AND PRECIPITATION.

The following table is intended to show the average values of temperature and precipitation for each province for the month under review. District and Provincial means would, under ideal conditions, be derived from stations situated in equi-areal squares. But since in reality they are so situated as to appear, rather, constellation-wise upon the map, anomalous values arising from local topographical peculiarities may have received more than their just weight in the computation of the following averages.

Where no difference from normal is assigned, observations over a period long enough for reference are not available.

PROVINCE AND DISTRICT.	TEMPERATURE (FAHR.).						PRECIPITATION.				STATION DIFFERENCES FROM NORMAL TEMPERATURE
	Mean Daily.	Mean Daily Maximum.	Mean Daily Minimum.	Mean Daily Range.	Extreme Highest.	Extreme Lowest.	Total in Inches.	Difference from Normal.	Number of Days.	Greatest Fall.	
BRITISH COLUMBIA—											
South Vancouver Island...	57.0	67.0	48.0	19.0	90	31	2.30	-30	9	1.25	-1° to +1°
North Vancouver Island...	56.0	66.0	47.0	19.0	84	35	2.05	.....	11	1.23	+1° at Quatsino
Lower Fraser River	58.0	69.0	47.0	22.0	93	31	2.85	-10	19	1.70	-2° to +1°
Upper Fraser River	56.0	70.0	42.0	28.0	90	24	2.25	+40	10	1.09	0° to +4°
Okanagan and Similkameen Valleys	59.0	72.0	46.0	26.0	93	27	1.33	-27	10	0.50	+1½ to +3°
West Kootenay	58.0	70.0	46.0	24.0	90	28	2.00	.....	14	0.67	-2° at Nelson
East Kootenay	57.0	70.0	45.0	25.0	91	27	1.85	+10	8	1.56	-1° to +1°
Thompson River	61.0	75.0	47.0	28.0	96	32	1.15	-38	11	0.60	-1° to +2°
North Columbia River	56.0	67.0	44.0	23.0	86	31	2.33	-10	19	0.65	Nearly normal
North Coast	57.0	66.0	48.0	18.0	85	32	1.25	.....	6	0.93	+0.6° at Bella Coola
Queen Charlotte Islands	53.0	59.0	46.0	13.0	69	36	1.34	.....	7	0.60	-0.5° at Massett
ALBERTA—											
North Saskatchewan River	55.0	68.0	44.0	24.0	86	32	6.04	+50	13	3.37	Average at Edmonton
The Red Deer River.	55.0	68.0	42.0	26.0	93	26	4.10	.....	11	1.60	-1°
The Bow River.	55.0	72.0	44.0	28.0	97	30	2.55	.....	9	1.64	+2° to +3°
Athabasca River .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Peace River .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
SASKATCHEWAN—											
Qu'Appelle River	58.0	71.0	46.0	25.0	95	23	2.48	+12	9	2.34	-2° to +2°
S. Saskatchewan River	58.0	70.0	46.0	24.0	95	30	3.02	-13	13	1.39	0° to -3°
N. Saskatchewan River	58.0	70.0	45.0	25.0	92	28	2.85	.....	10	1.23	+2° at Battleford
Saskatchewan Forks	59.0	71.0	47.0	24.0	89	29	1.50	.....	11	0.70	.....
Lower Saskatchewan River	58.0	70.0	46.0	24.0	85	31	1.35	.....	10	0.28	.....
MANITOBA—											
Qu'Appelle and Assiniboine Rivers	60.0	73.0	48.0	25.0	95	31	1.95	-45	9	2.80	-3° to +2°
The Red River	62.0	75.0	49.0	26.0	91	28	1.58	-50	7	1.12	+1° to +2°
Dauphin Lake and River.	60.0	72.0	48.0	24.0	87	24	1.20	.....	5	1.09	.....
ONTARIO—											
Lake Superior Districts—											
<i>Egnyon River</i>	61.0	73.0	49.0	24.0	94	23	3.72	.....	8	1.79	.....
<i>Thunder Bay</i>	55.0	69.0	42.0	27.0	89	24	1.56	-35	6	1.34	.....
<i>Algoma</i>	56.0	71.0	42.0	29.0	96	22	1.42	.....	6	0.92	-3° at White River
<i>Nipissing</i>	59.0	72.0	45.0	27.0	45	25	1.80	-50	7	1.18	-2° at Haileybury
Upper Ottawa River	60.0	74.0	46.0	27.0	96	29	2.90	-16	10	1.06	-1° to -3°
Upper St. Lawrence and Ottawa Rivers	62.0	72.0	51.0	21.0	90	33	2.40	-10	8	0.90	+1° to -4°
Georgian Bay Counties	59.0	71.0	46.0	25.0	96	22	2.50	-20	7	1.89	+1° to -6°
Lake Huron Counties	61.0	72.0	50.0	22.0	93	30	2.40	-15	10	1.59	-1° to -4°
Lakes St. Clair & Erie, Niagara Peninsula	65.0	76.0	55.0	21.0	97	31	2.50	-17	7	1.45	+2° to -2°
West Central Counties	63.0	75.0	51.0	24.0	94	30	2.65	-10	8	1.25	-1° to -4°
Lake Ontario Counties	62.0	73.0	52.0	21.0	95	33	1.85	-25	9	1.32	-0° to +1°
East Central Counties	62.0	75.0	49.0	26.0	94	30	2.15	-15	6	1.75	-2° to -4°
QUEBEC—											
Middle St. Lawrence	58.0	69.0	47.0	22.0	90	27	3.10	-20	11	2.10	-3° to -6°
Lower St. Lawrence & Gulf	50.0	58.0	41.0	17.0	86	30	3.25	+20	9	2.00	-1° to -5°
Lake St. John	54.0	64.0	44.0	20.0	90	28	3.25	.....	12	1.77	-4° at Chicoutimi
Northwestern Districts	58.0	71.0	45.0	26.0	96	22	2.46	.....	7	1.57	-1° at Abitibi
NEW BRUNSWICK—											
All Stations	56.0	67.0	45.0	22.0	88	24	3.95	+20	9	2.35	-1° to -5°
NOVA SCOTIA—											
All Stations	54.0	66.0	43.0	23.0	88	24	3.65	-10	9	2.37	-1° to -4°
PRINCE EDWARD ISLAND—											
All Stations	55.0	64.0	46.0	18.0	79	35	5.30	+50	16	2.02	-3°

WINDS, JUNE, 1914

PROVINCES AND STATIONS.	Total Mileage.	Greatest Mileage in 24 hours.	Greatest Mileage in 1 Hour			Number of Days of			GENERAL Direction
			Miles	Direction	Date	Gales	Strong Winds	Fresh Winds	
BRITISH COLUMBIA.									
Atlin									
Prince Rupert									
Victoria	9459	675	43	SW	2	8	12	9	SW, W
Point Garry	6723	325	28	NW	4		10	11	SE, NW
Vancouver									
Kamloops									
ALBERTA.									
Edmonton	4802	315	20	N, E, E	6-20		3	17	NW
*Calgary	2900	329	21	NW	17		3	5	NW
SASKATCHEWAN.									
Battleford									
Prince Albert									
Swift Current	8292	452							
Qu'Appelle	6785	403	26	E, SE	5		7	17	
MANITOBA.									
Le Pas									
Winnipeg	8079	502	39	SE	4	1	10	13	
ONTARIO.									
Port Arthur	6674	377	34	NW	9	1	11	14	NW
White River	4782	339	31	SW	9	1	3	14	
Cochrane	6931	578	30	SW	9	1	4	20	
Parry Sound	4768	235	17	N	19			8	SW
Southampton	6035	334	27	N, E, S	19-24		8	13	NW
Pelee Island	7666	614	36	N	15	3	9	15	
*Woodstock	5899	325	26	SW	24		7	12	NW
Guelph	2927	265							
Toronto	7466	381	32	NE	24	1	14	11	NE
Kingston	6063	334	24	W	20		6	14	
Stonecliffe	3600	280	17	NW	19			11	
Ottawa									
QUEBEC.									
Montreal	8241	353	24	NW	10		4	22	W
Sherbrooke									
Quebec	9946	516	40	NE	8	4	20	5	SW
Father Point	10431	627	40	E	5	8	14	6	W
Anticosti, SW	10500	951	64	NE	5	9	2	6	SE, NW
Harrington									
NEW BRUNSWICK									
Pt. Escominac	12288	767	51	N	5	12	14	4	N, E, NW
Fredericton	6344	482	34	NW	5	1	10	13	NW
St. John	8176	724	40	NW	5	5	12	10	NW
Pt. Lepreaux	9695	729	41	NW	5	7	13	9	W, NW
NOVA SCOTIA									
Yarmouth	7254	472	28	S	5		14	2	W
Wolfville	7587	578							W
Halifax	8148	614	38	SW	5	5	13	12	W
Sable Island									
Flat Point	9204	625	39	SW	5	7	16	6	W
PRINCE EDWARD ISLAND									
Charlottetown	6423	417	27	SE	4		10	9	SW

* 2 days record ** 25 days record.

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA. JUNE, 1914.

*Stations not furnished with Registering Thermometers

STATION.	TEMPERATURE.										PRECIPITATION.									
	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Mean.	Difference from average.	Ar's Observations.	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount.	Difference from average.	Highest fall in month.	Days with .01 or more.	No. of fair days.	No. of auroras.	No. of thunderstorms.	No. of fogs.	
NEW BRUNSWICK.																				
Bay of Fundy.																				
Antigonish	49 15	124 49	300	57.7	-1.1	19	90.6	23	31.0	5	24.8	3.64	+1.27	1.11	11	19	..	3	..	
Antigonish (Fountain)	49 11	125 55	27	55.4	+1.1	15	72.0	14	36.0	4	15.1	3.08	-1.12	0.50	10	20	..	..	..
Chatham	49 40	124 50	..	53.0	..	..	69.9	14	39.0	4	11.0	1.07	..	0.76	10	20	..	..	7
Cobbie Hill	..	..	33	56.5	..	..	79.0	16	34.0	4	12.6	2.08	..	0.79	11	21	..	..	..
Deception (Fountain)	48 25	123 42	170	58.7	+1.0	8	83.0	15-29	36.5	4	21.2	2.29	..	0.70	11	19	..	..	..
Deception Bay	49 40	124 0	..	59.4	..	..	85.7	30	40.2	4	21.0	1.87	..	0.67	8	22	..	..	..
Deception Bay	49 40	124 32	..	57.6	..	..	86.0	15	36.3	4	21.0	2.33	..	0.56	9	21	..	..	..
Deception Bay	..	..	..	57.7	..	..	84.5	15	10.	4	18.7	2.26	..	0.58	5	25	..	..	..
Deception Bay	..	..	..	57.8	..	..	83.0	15	31.3	4	22.1	2.11	..	0.44	9	21	..	..	..
Deception Bay	49 41	124 54	12	57.5	..	..	79.4	16	33.5	4	18.8	2.38	..	0.69	7	23	..	..	..
Deception Bay	49 10	123 37	125	58.8	+1.1	15	89.0	29	41.8	4	15.8	1.70	-0.74	0.53	9	21	..	1	..	
Deception Bay	49 17	124 12	130	56.9	..	..	82.0	15	34.0	5	21.9	3.15	..	1.25	9	21	..	..	..
Deception Bay	..	..	..	56.6	..	..	84.0	16	34.0	5	21.5	2.41	..	0.64	9	21	..	1	..
Deception Bay	..	..	..	56.9	..	..	82.0	15	36.0	4	18.9	2.21	..	0.80	12	18	..	..	..
Deception Bay	48 37	123 41	..	57.8	..	..	87.0	15	34.0	4	22.4	2.61	..	0.76	10	20	..	..	..
Deception Bay	48 27	123 27	200	58.1	..	..	83.0	15-25	38.5	5	19.3	2.14	..	1.24	8	22	..	..	..
Deception Bay	48 41	123 44	25	55.2	..	..	78.0	29	37.0	4	19.3	2.93	..	1.54	8	22	..	..	..
Deception Bay	48 24	123 19	55	55.9	-0.2	22	78.0	11	42.5	4	13.7	1.57	-0.71	0.65	6	24	..	..	..
Bay of Fundy.																				
Abbot Bay	50 33	127 0	..	54.6	..	..	78.0	27	36.0	18-19	20.0	0.86	..	0.30	9	21	..	..	..
Halifax	50 39	128 18	..	54.1	..	..	74.0	14	38.0	5	16.9	2.06	..	0.89	8	22	..	..	..
Mary Island	..	..	..	59.9	..	..	84.0	14-15	41.0	3	15.7	2.79	..	1.23	13	17	..	..	..
Quebec	50 32	127 40	..	54.5	+1.1	18	73.0	39	55.9	6	20.8	1.34	-3.29	0.36	13	17	..	..	..
Bay of Fundy.																				
Acadia	49 14	121 31	52	57.2	-1.8	22	87.0	18	59.0	4	24.7	5.18	+0.36	0.73	16	14	..	..	..
Acadia	49 39	123 5	165	55.0	..	..	83.0	39	35.0	21	21.0	2.08	..	0.55	12	18	..	..	..
Acadia	49 10	121 57	21	58.3	-1.1	14	87.0	15	37.0	6	20.9	3.14	0.00	1.27	11	19	..	..	3
Acadia	49 25	121 25	500	58.6	..	..	87.5	15	38.5	6	20.5	1.96	..	0.58	11	19	..	..	2
Acadia	49 05	123 4	..	56.8	-0.1	14	76.0	13-30	40.0	3-23	22.3	1.80	+0.24	0.55	7	23	..	..	..
Acadia	49 13	122 54	320	59.3	+0.1	26	87.8	15	39.7	5	19.7	4.11	+0.98	1.70	10	20	..	..	1
Acadia	49 12	122 2	59	59.9	+0.9	22	90.0	15	39.0	6	20.7	3.08	-0.99	1.09	9	21	..	..	1
Acadia	50 20	122 33	..	58.7	..	..	88.0	15	33.0	6	28.4	1.57	..	0.82	7	23	..	..	..
Acadia	50 29	122 40	..	59.9	..	..	88.0	16-17	30.5	14	32.0	1.35	..	0.86	5	25	..	..	..
Acadia	49 16	122 23	125	60.5	..	..	92.5	16	40.0	6	24.1	4.18	..	0.79	16	14	..	..	..
Acadia	49 21	123 17	..	57.1	+0.5	19	78.0	16	38.0	6	17.8	2.44	+0.55	1.12	8	22	..	..	..
Acadia	49 17	123 5	136	58.7	+1.0	14	80.7	29	40.9	5	17.3	3.58	+0.77	1.61	9	21	..	..	1
Bay of Fundy.																				
Acadia	55 38	126 26	..	54.8	..	..	80.0	15-17	34.0	2-13	27.4	0.40	..	0.20	3	27	..	..	5
Acadia	53 02	121 35	4180	59.4	+0.9	26	75.0	16	39.0	5	22.9	4.39	+0.85	1.00	10	10	..	..	..
Acadia	51 40	120 59	3100	52.1	+0.1	11	81.0	30	24.0	5	24.7	3.77	+2.13	0.71	15	15	..	..	5
Acadia	119 20	52 50	2400	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acadia	50 40	120 50	..	60.9	..	..	90.0	30	40.0	6	32.1	1.18	..	1.00	3	27	..	..	..
Acadia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acadia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acadia	54 28	124 12	2280	54.6	+3.8	18	85.0	26	26.0	6	30.6	1.10	-0.40	0.32	7	23	..	..	..
Acadia	52 42	122 5	..	58.5	..	..	88.0	13-30	30.0	5	32.2	2.39	..	0.66	10	20	..	..	4
Acadia	52 59	122 30	1700	59.7	+1.8	19	88.0	14-17	30.0	5	26.9	2.37	+0.72	0.65	9	21	..	..	1
Bay of Fundy.																				
Acadia	50 3	119 20	1400	62.6	..	..	92.0	39	34.0	7	30.5	0.87	..	0.24	9	21	..	..	..
Acadia	49 35	120 10	1771	59.5	..	..	91.0	39	35.0	6	24.9	1.41	..	0.41	12	18	..	..	..
Acadia	49 20	119 59	4500	46.8	..	..	98.0	30	23.0	6	23.8	2.04	..	0.90	7	23	..	..	..
Acadia	49 15	120 0	1372	61.5	..	..	85.5	16	39.5	7	18.9	1.31	..	0.40	10	20	..	..	..
Acadia	49 15	119 29	1200	62.6	+3.1	16	90.0	17	38.0	7	27.6	1.07	-0.33	0.28	8	22	..	..	4
Acadia	49 15	119 29	1200	61.3	..	..	88.1	17	38.6	7	27.1	0.81	..	0.31	8	22	..	..	..
Acadia	41 29	119 35	..	62.2	..	..	93.0	15	36.5	7	27.7	1.24	..	0.32	9	21	..	..	..
Acadia	49 29	120 29	1650	56.9	+0.3	17	89.0	30	30.0	7	30.8	0.88	-0.17	0.26	8	22	..	..	1
Acadia	50 18	118 35	..	53.4	..	..	87.0	17	27.0	7	25.3	2.08	..	0.43	17	13	..	..	4
Acadia	49 36	119 40	1100	60.0	..	..	88.0	30	35.9	7	23.2	1.32	..	0.35	9	21	..	..	1
Acadia	50 14	119 15	1582	61.2	+0.8	21	89.0	15-30	40.0	4	25.0	1.95	-0.60	0.26	14	16	..	..	..
Bay of Fundy.																				
Acadia	49 19	116 41	..	58.4	..	..	90.5	17	36.0	7	23.1	1.54	..	0.34	11	19	..	..	2
Acadia	49 45	116 45	2000	58.4	..	..	86.0	17	40.0	5-23	24.4	1.58	..	0.22	14	16	..	..	2
Acadia	49 16	116 33	1985	57.1	..	..	87.0	17	31.0	7	24.9	1.25	..	0.34	9	21	..	..	1
Acadia	..	..	1413	58.1	..	..	86.0	17	40.0	24	23.0	2.43	..	0.35	17	13	..	..	4
Acadia	49 54	118 6	..	57.8	..	..	93.0	17	33.0	7	29.0	1.53	..	0.37	14	16	..	..	..
Acadia	49 2	118 27	1746	60.3	..	..	90.0	17	33.0	22	26.0	2.22	..	0.37	14	16	..	..	..
Acadia	49 1	118 6	2400	57.2	..	..	88.0	16-30	28.0	21	32.3	1.80	..	0.41	10	20	..	..	1
Acadia	50 18	117 0	..	59.3	..	..	86.0	17	40.0	7	22.3	2.27	..	0.67	16	14	..	..	..
Acadia	49 52	117 0	1752	55.8	..	..	78.0	17-18	34.0	7	20.7	1.32	..	0.38	11	19	..	..	..
Acadia	50 14	117 49	..	56.1	..	..	83.5	19	32.5	7	21.8	2.43	..	0.50	15	15	..	..	1
Acadia	49 29	117 21	1760	58.5	-2.2	12	89.0	17	34.0	7	24.1	2.56	-0.23	0.52	15	15	..	..	2
Acadia	..	..	2250	58.0	..	..	88.5	1	37.0	7	26.1	3.36	..	0.65	13	18	..	..	2
Acadia	49 5	117 48	1700	58.8	..	..	87.0	17-30	32.0	7	24.4	1.83	..	0.35	18	12	..	..	3
Acadia	49 5	117 48	3400	55.4	-1.5	10	82.0	17	37.5	5-27	17.5	3.21	+0.82	0.87	10	20	..	..	3
Acadia	49 20	117 45	1414	58.8	..	..	90.0	17	35.0	7	23.5	2.13	..	0.23	15	15	..	..	5
Bay of Fundy.																				
Acadia	49 30	115 50	..	57.5	+0.6	10	89.0	17	27.0	7	30.9	2.62	+0.31</							

STATION.

TEMPERATURE

RECITATION

Elevation above sea level, in feet	<i>Mear.</i>	Difference from average.	<i>Yrs(observations).</i>
60	78	-18	1900-1901
60	78	-18	1901-1902
60	78	-18	1902-1903
60	78	-18	1903-1904
60	78	-18	1904-1905
60	78	-18	1905-1906
60	78	-18	1906-1907
60	78	-18	1907-1908
60	78	-18	1908-1909
60	78	-18	1909-1910
60	78	-18	1910-1911
60	78	-18	1911-1912
60	78	-18	1912-1913
60	78	-18	1913-1914
60	78	-18	1914-1915
60	78	-18	1915-1916
60	78	-18	1916-1917
60	78	-18	1917-1918
60	78	-18	1918-1919
60	78	-18	1919-1920
60	78	-18	1920-1921
60	78	-18	1921-1922
60	78	-18	1922-1923
60	78	-18	1923-1924
60	78	-18	1924-1925
60	78	-18	1925-1926
60	78	-18	1926-1927
60	78	-18	1927-1928
60	78	-18	1928-1929
60	78	-18	1929-1930
60	78	-18	1930-1931
60	78	-18	1931-1932
60	78	-18	1932-1933
60	78	-18	1933-1934
60	78	-18	1934-1935
60	78	-18	1935-1936
60	78	-18	1936-1937
60	78	-18	1937-1938
60	78	-18	1938-1939
60	78	-18	1939-1940
60	78	-18	1940-1941
60	78	-18	1941-1942
60	78	-18	1942-1943
60	78	-18	1943-1944
60	78	-18	1944-1945
60	78	-18	1945-1946
60	78	-18	1946-1947
60	78	-18	1947-1948
60	78	-18	1948-1949
60	78	-18	1949-1950
60	78	-18	1950-1951
60	78	-18	1951-1952
60	78	-18	1952-1953
60	78	-18	1953-1954
60	78	-18	1954-1955
60	78	-18	1955-1956
60	78	-18	1956-1957
60	78	-18	1957-1958
60	78	-18	1958-1959
60	78	-18	1959-1960
60	78	-18	1960-1961
60	78	-18	1961-1962
60	78	-18	1962-1963
60	78	-18	1963-1964
60	78	-18	1964-1965
60	78	-18	1965-1966
60	78	-18	1966-1967
60	78	-18	1967-1968
60	78	-18	1968-1969
60	78	-18	1969-1970
60	78	-18	1970-1971
60	78	-18	1971-1972
60	78	-18	1972-1973
60	78	-18	1973-1974
60	78	-18	1974-1975
60	78	-18	1975-1976
60	78	-18	1976-1977
60	78	-18	1977-1978
60	78	-18	1978-1979
60	78	-18	1979-1980
60	78	-18	1980-1981
60	78	-18	1981-1982
60	78	-18	1982-1983
60	78	-18	1983-1984
60	78	-18	1984-1985
60	78	-18	1985-1986
60	78	-18	1986-1987
60	78	-18</	

Amount
Difference from average.
Heaviest fall in month.
Days with 0.1 or more.
No. of fair days.
No. of auras.
No. of thunderstorms.
No. of fogs.

Monte Creek	50	3	119	59	1586	62.2	—	2	89.0	15	32.0	—	1	29.6	1.99	—	0.21	7	27
Nicola Lake	50	9	120	39	2120	55.8	- 1.2	19	83.0	16	33.0	—	5	29.9	0.45	- 0.87	0.35	3	27
Salmon Arm	50	42	119	35	1152	61.4	+ 1.7	13	86.0	16-30	40.0	—	8	23.9	1.34	- 0.52	0.18	14	16
Salmon Arm Ex Farm	61.3	—	3	94.0	30	38.0	—	6	26.5	1.43	—	0.41	11	19
Tappen	1350	65.1	—	2	96.0	30	38.0	—	8	26.8	1.16	—	0.23	12	18
Vancouver	50	41	120	20	65.8	—	6	94.0	30	42.0	—	8	26.1	0.41	—	0.18	8	22
Vernity	51	36	119	45	1150	59.2	—	1	90.0	30	36.5	—	7	27.5	1.45	—	0.25	15	15
North Columbia River																			
Gladwin	51	14	117	29	4072	51.1	- 0.4	15	76.0	16	31.0	—	7	22.9	3.37	+ 0.78	0.63	11	19
Golden	51	9	118	6	1476	56.7	+ 0.3	14	81.0	16-17	38.0	—	7	24.1	1.99	- 0.55	0.35	6	24
Kelsooke	51	16	116	5	2550	58.6	+ 0.2	15	6.0	17-18	49.0	—	24	24.2	2.53	- 0.16	0.45	12	18
North Coast																			
Bella Coola	52	40	126	54	150	57.8	+ 0.6	16	85.0	16	39.0	—	15	18.9	1.59	- 0.32	0.13	6	24
Prince Rupert	54	18	130	18	170	54.8	—	6	76.0	21	42.0	—	5	14.5	1.65	—	0.50	7	23
Stewart	56	1	130	1	215	62.7	—	4	85.0	15-24	32.0	—	8	26.5	0.52	—	0.34	6	24
Tettnie	51	30	128	30	545
Welcome Harbour	53	55	130	22	52.7	—	1	65.1	26	59.9	—	13	12.5	1.51	—	0.85	8	24
Queen Charlotte Islands																			
Ikeba Bay	52	17	131	7	5	51.9	—	6	65.0	26-30	40.0	—	3-6	13.7	1.85	—	0.60	4	26
Massett	53	55	132	9	10	53.0	- 0.5	16	69.0	14	36.0	—	3	13.1	0.83	- 1.59	0.15	9	21
Yukon Boundary																			
Achin	59	35	133	38	2240	60.0	—	8	69.6	15-25	27.0	—	1-2	22.8	0.27	—	0.20	4	26
YUKON																			
Career's	60	11	134	34	2171	59.7	—	8	74.0	16-17	27.0	—	2	23.1	0.49	—	0.29	4	26
Dawson	64	4	139	29	1200	57.1	- 0.8	13	84.0	16	32.0	—	3-7	28.1	1.73	+ 0.61	0.39	6	24
ALBERTA																			

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, JUNE, 1914.

*Stations not furnished with Registering Thermometers

STATION	TEMPERATURE.										PRECIPITATION				Days with .01 or more.	No. of fair days	No. of Auroras.	No. of thunderstorms.	No. of fogs.							
	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Mean.	Difference from average.	Yr's observations	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount.	Difference from average.	Heaviest fall in month.												
SASKATCHEWAN—																										
Qu'Appelle River																										
Brownview.....	50 23	102 33	1960	58.3	—	6	91.0	2	37.0	1-25	26.9	2.63	-0.63	0.79	11	19										
Brownhill (Grenfell P.O.).....	50 23	102 53	1957	57.4	+0.0	10	85.4	2	37.0	12	25.6	0.82	-1.75	0.23	10	20		4								
Buchanan.....	51 42	102 45		61.2	+1.1	11	91.0	2	42.0	18	23.8	4.85	+2.70	2.34	10	20		1								
Crescent Lake.....	50 59	102 25	1658	59.2	—	3	91.8	2	39.9	25	25.9	1.70	—	1.00	11	19		2								
Estevan.....	50 59	103 4	1858	56.3	—	7	86.0	2	37.0	10-24	24.2	1.60	—	0.50	6	24										
Fort Qu'Appelle.....	50 47	103 47				6																				
Hubbard (Drumague).....	51 5	103 21		58.1	—	3	84.0	1	33.0	22	26.4	2.22	—	0.46	7	23										
Imperial.....	52 12	105 23		59.1	-1.6	25	90.0	2	37.0	24	24.0	2.28	-1.70	1.69	6	24										
Indian Head.....	51 22	103 40	1924	49.3	—	5	89.0	3	36.0	27	19.8	3.58	—	1.00	7	23										
Manor.....	49 43	102 2	2064	59.8	—	3	83.0	1	35.0	14	25.1	0.98	—	0.33	5	25										
Kamsack.....	51 30	101 52		61.2	+2.1	18	95.0	2	40.0	10	24.6	5.36	+2.30	1.65	11	19		3								
Moose Jaw.....	50 21	105 35	1759			13																				
Moosemin.....	50 0	101 37	1884	58.8	—	8	82.0	16	30.0	24	23.9	0.99	—	0.25	8	22		1								
Muenster (St. Peter's Mon.).....	52 0	105 0	1870	58.3	—	3	83.0	14	39.0	25	23.4	0.87	—	0.19	11	19										
Pilger.....	52 25	105 9		59.4	+0.8	19	93.0	2	39.0	23	25.1	3.74	+0.09	0.82	11	19		5								
Pense (Gatesgarth).....	50 20	105 0	1879	58.9	+0.2	30	90.6	2	38.0	25	23.6	3.34	-0.51	1.13	12	18		6								
Qu'Appelle.....	50 30	103 47	2115	51.6	-0.6	28	92.0	2	39.0	24	23.4	3.99	+0.50	1.58	11	19										
Regina.....	50 27	104 37	1855	57.9	—	1	85.0	1-2	36.0	15	24.4	1.72	—	0.91	7	23		3								
Whitewood.....						7																				
Yarbo (Fairfield).....	50 39	102 4		59.2	—	3	84.0	2	40.0	23	24.1	3.49	—	2.00	11	19		1								
Yellow Grass.....	49 49	104 9		58.8	—	5	87.0	2	38.0	12	25.3	0.41	—	0.13	4	26										
Yorkton.....	51 11	102 29																								
S. Saskatchewan River																										
Chaplin.....	50 26	106 39	2202	58.7	-2.7	28	95.0	2	35.0	10	22.7	3.28	-0.69	0.70	17	13		7								
Kindersley.....	51 28	109 9		57.1	—	2	87.0	18	37.0	1	20.7	2.59	—	1.36	12	18		4								
Klintonel (Divide).....	49 38	108 53	3500	55.8	—	6	85.0	18	30.2	24	26.0	2.87	—	0.53	6	24		2								
Kelvinhurst (Nashlyn).....	51 46	108 10																								
Larchmount (Pambrum).....	49 21	109 29	2500	58.0	—	4	82.0	18	35.0	10	24.7	3.44	—	0.95	12	18										
Rathmullen.....	51 20	108 57		58.3	—	5	90.8	2	35.0	10	23.3	3.63	—	1.22	10	20		4								
Swift Current.....	50 20	107 45	2429	60.1	+0.1	27	91.0	1	37.0	22	25.7	2.31	-0.74	0.40	19	11		3								
N. Saskatchewan River																										
Anglin.....	51 53	101 10		58.5	—	5	92.0	1	38.0	1-10	24.5	3.10	—	1.11	9	21		1								
Battleford.....	52 41	108 20	1620	61.4	+2.3	24	85.0	15	40.0	10-11	23.6	2.47	-1.00	0.52	11	19										
Lloydminster.....	53 18	110 0																3								
Luseland.....	52 5	109 34		56.5	—	4	89.8	1	33.0	1	24.7	4.17	—	0.66	12	18										
Onion Lake.....	53 52	109 59		56.9	—	8	83.0	3	34.0	9-16	22.9	—	—	—												
Prince (Meota).....	51 6	108 20	1700	58.8	—	7	80.0	16	28.0	1	30.2	1.78	—	0.59	7	23										
St. Walburg.....	53 36	109 9		55.1	—	2	80.5	2	33.0	11	23.1	3.65	—	1.23	11	19		2								
Scott (Ex. Farm).....	51 59	109 30		56.9	—	4	85.0	1	34.1	11	26.8	2.37	—	0.46	11	19										
Waseca.....	53 0	109 29		57.8	—	7	81.0	16	32.0	10	23.1	2.49	—	0.87	7	23										
The Saskatchewan Forks																										
Haleyton.....	52 30	107 5	1800	59.3	—	1	89.0	15	32.2	25	27.2	1.01	—	0.20	11	19		1								
Melfort.....	52 47	104 30		59.0	—	5	83.5	15	29.5	11	24.4	1.07	—	0.42	8	22										
Prince Albert.....	53 10	106 0	1432	59.0	-1.4	28	80.8	16	36.5	11	23.4	2.01	-0.62	0.47	9	21										
Rosthern.....	52 40	106 20	1657	58.7	—	5	84.2	16	33.3	26	22.9	2.00	—	0.70	14	16										
Saskatoon.....	52 15	106 30	1571	59.0	+0.3	18	86.0	2	39.0	25	22.7	1.88	-0.63	0.52	11	19		6								
Lower Saskatchewan River																										
Lost River.....	53 17	104 21		58.1	—	4	85.0	16	31.0	11	23.5	1.35	—	0.28	10	20		5								
MANITOBA—																										
Qu'Appelle and Assiniboine Rivers																										
Boissevain.....	50 25	101 1	1703	61.3	—	3	89.0	3	37.0	19	24.9	2.43	—	0.33	14	16										
Braadao.....	49 51	99 57	1176	57.7	-3.3	27	88.2	2	31.5	19	24.7	2.24	-0.79	0.91	8	22		2								
Carman.....	49 31	98 0	872																							
Cypress River.....	49 33	99 3	1232	62.3	—	9	88.0	3	35.0	1-19	33.5	1.00	—	—	8	22										
Hillview.....	49 55	100 33	1400	58.5	-1.0	29	89.0	2	31.0	19	21.5	3.09	-0.19	1.30	11	19										
Minnedosa.....	50 15	99 50	1699	59.5	-2.2	30	89.4	2	31.0	19	24.9	1.39	-0.02	0.34	10	20		5								
Ninette.....	49 24	99 38	1363	63.3	—	3	89.0	13	37.0	18	22.3	1.30	—	—	5	25										
Ninaga.....	49 14	99 51	1649	58.4	—	4	82.0	1	35.0	15	21.9	1.28	—	0.48	7	23										
Pierson.....	49 11	101 5	1531	58.6	—	9	88.0	3	36.0	18	21.1	6.61	—	2.80	11	19										
Pipestone.....	49 34	100 58	1400																							
Portage la Prairie.....	49 57	98 17		61.8	+0.5	27	89.0	3	38.0	13-19	25.2	0.80	-1.55	0.39	8	22										
Portage la Prairie (2).....	49 56	98 17		61.8	—	9	89.0	3	39.0	13	24.8	0.63	—	0.40	5	25										
Russell.....	50 59	101 20		57.9	+0.1	21	88.0	2	36.0	14	23.3	1.08	-2.21	0.22	8	22										
St. Alban's (Treesbank).....	49 42	99 33	1180	62.1	-0.6	25	95.0	2	32.2	19	28.9	1.66	-1.74	0.38	9	21		3								
Souris.....	49 37	100 14		51.9	—	2	86.7	2	41.0	18	24.6	1.49	—	0.40	8	22										
Treherne.....	49 36	98 40	1212	60.9	+1.8	19	89.0	2	41.0	19	25.1	1.8	-0.95	0.51	9	21		6								
Virten.....	49 51	100 55	1444	58.7	-2.0	10	84.0	2	36.0	11	23.6	0.78	—	—	6	24										
The Red River																										
Almasippi.....	49 14	99 20		61.8	+1.7	12	91.0	2	28.0	19	28.0	1.50	—	0.42	7	23		5								
Morden.....	49 11	98 6	978	61.9	-0.6	10	88.0	3	35.0	19	24.6	1.71	-1.49	0.50	10	20		1								
Oak Bank.....	49 57	96 42	800	60.9	+1.3	19	85.7	2	35.5	19	25.4	1.71	-1.43	1.12	6	24		2								
Selkirk.....																										
Stoay Mountain.....	50 40	97 14	803	62.3	-0.9	34	90.0	3	35.	19	30.9	1.50	-1.59	1.00	3	27										
Winnipeg.....	49 56	97 7	760	63.2	+1.0	40	88.8	2	35.3	19	24.3	1.46	-1.98	0.87	7	23		3								

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, JUNE 1914

* Stations not furnished with Registering Thermometers

STATION	TEMPERATURE										PRECIPITATION							
	Latitude N	Longitude W	Elevation above sea level in feet	Mean	Difference from average	Yearly maximum	Highest	Lowest	Range	Mean daily range	Amount	Difference from average	Highest fall in month	Days with 1 or more	No. of fair days	No. of auroras	No. of thunderstorms	No. of fogs
MANITOBA—Continued																		
Dauphin Lake and River	52 18	97 23	716	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Berens River	51 8	100 2	955	—	—	—	86.0	2.67	—	—	0.66	—	0.31	3	25	—	—	—
Dauphin	51 15	99 33	810	58.8	—	5	81.0	2	24.4	1	2.4	0.18	0.31	6	24	1	—	—
Moose Horn Bay (Artikensville)	51 15	99 33	810	58.8	—	5	81.0	2	24.4	1	2.4	0.18	0.31	6	24	1	—	—
Swan Lake	51 15	99 33	810	58.8	—	5	81.0	2	24.4	1	2.4	0.18	0.31	6	24	1	—	—
Lake Winnipegosis	52 6	101 15	1112	59.3	—	3	84.0	15	22.0	18	15.5	0.57	0.33	2	28	—	—	—
Le Pas	52 6	101 15	1112	59.3	—	3	84.0	15	22.0	18	15.5	0.57	0.33	2	28	—	—	—
ONTARIO—																		
The Lake Superior Districts																		
Rainy River	48 36	93 25	—	59.4	—	1	84.0	8	32.2	19	23.7	4.51	—	1	29	—	—	—
Dryden	48 36	93 25	—	59.4	—	2	91.0	24	46.0	13	29.0	3.55	—	1	29	—	—	—
Fort Frances	48 36	93 25	—	59.4	—	1	87.0	8	33.0	5	26	2.87	—	1	29	—	—	—
Ignace	49 48	9 32	1102	—	—	15	—	—	—	—	—	—	—	—	—	—	—	—
Kenora	49 48	9 32	1102	—	—	15	—	—	—	—	—	—	—	—	—	—	—	—
Rainy River	49 37	95 6	—	62.5	—	2	87.5	2	43.3	12	19.9	3.45	—	1	28	—	—	—
Shovel Lake	49 37	95 6	—	62.5	—	2	87.5	2	43.3	12	19.9	3.45	—	1	28	—	—	—
St. Louis	49 37	95 6	—	62.5	—	2	87.5	2	43.3	12	19.9	3.45	—	1	28	—	—	—
Thunder Bay	48 18	86 16	—	50.6	-7.1	16	75.0	24	24.0	16	26.4	0.94	-1.10	0.44	5	25	—	—
Heron Bay	48 29	89 26	912	56.1	—	6	81.0	—	31.0	13	31.4	1.40	—	0.36	7	23	—	—
Kakabeka Falls	48 29	89 26	912	56.1	-3.6	13	84.5	10	31.0	5	30.8	1.29	-0.12	0.66	6	24	—	—
Nipigon	48 29	89 26	912	56.1	-3.6	13	84.5	10	31.0	5	30.8	1.29	-0.12	0.66	6	24	—	—
Oscar	48 27	89 12	644	58.1	+1.6	33	85.0	10-16	35.0	13	16.9	3.03	—	1	24	9	25	—
Port Arthur	48 35	90 18	1506	58.1	+1.8	13	89.0	9	29.0	13	29.5	1.64	-1.35	0.84	2	28	—	—
Savanne	48 35	90 18	1506	58.1	+1.8	13	89.0	9	29.0	13	29.5	1.64	-1.35	0.84	2	28	—	—
Schreiber	48 35	90 18	1506	58.1	+1.8	13	89.0	9	29.0	13	29.5	1.64	-1.35	0.84	2	28	—	—
Algoma	47 40	82 11	1333	57.0	—	1	93.5	9	27.8	20	26.4	1.65	—	0.92	6	24	—	—
Bisco	47 40	82 11	1333	57.0	—	1	93.5	9	27.8	20	26.4	1.65	—	0.92	6	24	—	—
Brace Mines	47 48	83 28	—	56.2	—	1	93.0	8	29.6	16	26.3	0.66	—	0.29	5	22	—	—
Chapleau	46 30	80 59	—	55.4	—	1	91.0	9	35.0	20	22.9	1.34	—	0.82	8	22	—	—
Copper Cliff	46 29	84 29	—	—	—	1	—	—	—	—	—	0.14	—	0.10	2	28	—	—
Grassett	45 40	82 14	—	58.1	—	3	95.0	9	24.0	5	28.0	1.82	—	0.70	8	22	—	—
Porcupine	48 35	85 19	1252	54.5	—	4	75.0	26	30.0	6	35.1	1.93	—	0.83	3	27	—	—
Providence Bay	48 40	81 39	885	56.3	—	2	92.5	9	26.0	5	27.5	1.92	—	0.74	7	23	—	—
Timmins (Wawatina Falls)	48 40	81 39	885	56.3	—	2	92.5	9	26.0	5	27.5	1.92	—	0.74	7	23	—	—
Terbue	46 18	81 35	685	57.5	—	1	96.0	8	27.5	19	30.9	1.25	—	0.72	6	24	—	—
White River	48 35	85 16	1248	54.3	-3.0	24	91.0	8	22.0	16	33.4	0.70	-1.69	0.13	5	25	—	—
Niagara	49 2	81 0	946	56.3	—	4	93.0	9	26.0	5	27.3	2.07	—	1.18	11	14	—	—
Cochrane	47 29	79 39	687	59.8	-2.2	21	94.0	9	32.3	5	22.3	1.76	-1.63	0.87	7	23	—	—
Haileybury	48 45	80 40	850	—	—	4	95.0	5	25.0	12	31.2	1.55	—	0.65	4	26	—	—
Iroquois Falls	47 8	79 29	—	59.3	—	4	95.0	5	25.0	12	31.2	1.55	—	0.65	4	26	—	—
Montreal River	47 8	79 29	—	59.3	—	4	95.0	5	25.0	12	31.2	1.55	—	0.65	4	26	—	—
Upper Ottawa River	46 15	74 48	—	60.0	-1.4	19	94.0	8	29.0	6	27.4	2.54	-0.12	1.09	9	21	—	—
Rutherford (Lake Talon)	46 9	78 6	557	60.0	-2.8	37	96.0	9	30.0	2	26.9	3.25	-0.12	1.06	12	18	—	—
Stonewall (Rockcliffe)	46 9	78 6	557	60.0	-2.8	37	96.0	9	30.0	2	26.9	3.25	-0.12	1.06	12	18	—	—
Upper St. Lawrence and Lower Ottawa Rivers	45 12	76 13	390	61.5	—	3	89.0	23	35.0	2	4.5	3.04	—	0.57	10	20	—	—
Almonte	43 59	77 21	260	61.7	-2.2	17	83.0	9-25	37.0	20	27.8	1.88	-0.08	0.89	7	23	—	—
Bloomfield	44 13	76 29	285	61.4	-3.2	17	85.0	9-25	37.0	20	27.8	1.88	-0.08	0.89	7	23	—	—
Hillier	44 13	76 29	285	61.4	-3.2	17	85.0	9-25	37.0	20	27.8	1.88	-0.08	0.89	7	23	—	—
Kingston	44 56	75 12	—	61.3	-1.0	39	84.8	10	37.5	20	23.1	2.6	—	0.71	9	21	—	—
Montague	45 8	75 43	—	61.3	-1.0	39	84.8	10	37.5	20	23.1	2.6	—	0.71	9	21	—	—
Morrisburg	45 26	75 42	294	62.2	-2.9	39	85.0	23-24	39.0	20	20.5	2.92	-0.55	0.75	9	21	—	—
North Gower	45 26	75 42	294	62.2	-2.9	39	85.0	23-24	39.0	20	20.5	2.92	-0.55	0.75	9	21	—	—
Ottawa	45 26	75 42	294	62.2	-2.9	39	85.0	23-24	39.0	20	20.5	2.92	-0.55	0.75	9	21	—	—
Renfrew	45 26	76 30	416	61.5	-3.5	27	90.0	23	33.5	2	25.3	2.73	-0.95	0.90	11	19	—	—
Georgian Bay Counties	44 23	79 41	339	59.1	-1.7	29	91.0	9	30.0	20	24.6	3.58	+0.17	1.56	7	23	—	—
Barrie	45 8	79 20	809	59.7	-2.2	28	88.0	25	44.0	10	21.5	3.09	—	1.89	4	26	—	—
Brace	44 42	79 38	655	57.6	-6.0	26	94.0	9	26.0	2	29.8	2.29	-0.36	1.24	5	25	—	—
Big Chute (Buskin P.O.)	44 38	79 40	600	57.6	-6.0	26	94.0	9	26.0	2	29.8	2.29	-0.36	1.24	5	25	—	—
Coldwater	44 31	80 2	—	61.7	-3.4	41	94.0	9	31.0	20	24.8	1.17	-1.09	0.58	7	23	—	—
Collingwood	44 54	79 20	—	59.5	-3.4	41	94.0	9	31.0	20	24.8	1.17	-1.09	0.58	7	23	—	—
Gravenhurst	45 19	79 4	—	58.8	-3.4	41	94.0	9	31.0	20	24.8	1.17	-1.09	0.58	7	23	—	—
Huntsville	44 36	80 36	—	61.0	—	7	94.0	10	31.0	10	24.9	1.88	—	0.64	8	22	—	—
Markdale	44 19	80 39	—	61.0	—	7	94.0	10	31.0	10	24.9	1.88	—	0.64	8	22	—	—
Meaford	44 44	79 53	750	53.5	-0.6	22	94.0	8	36.0	10	25.5	2.19	-1.10	0.70	6	24	—	—
Midland	44 37	79 24	775	63.4	-1.8	38	93.0	9	35.0	20	24.0	1.91	-1.05	1.24	6	24	—	—
Orrville	44 34	80 55	597	61.4	-1.8	38	93.0	9	35.0	20	24.0	1.91	-1.05	1.24	6	24	—	—
Owen Sound	45 19	80 0	835	55.2	-7.9	91.0	8	29.0	3	31.2	3.18	—	1.61	8	22	—	—	
Parry Sound	45 15	78 57	1038	56.8	-1.1	90.5	8	27.0	2	27.1	2.36	—	1.76	8	24	—	—	
Ronville	45 2	—	—	58.2	—	1	82.0	8	37.0	10	15.0	2.56	—	1.60	11	19	—	—
Sandridge	45 2	—	—	58.2	—	1	82.0	8	37.0	10	15.0	2.56	—	1.60	11	19	—	—
Tobermory	44 30	81 21	656	59.5	-1.7	—	88.9	9	31.1	2	27.0	2.29	+0.20	1.17	13	17	—	—
Lake Huron Counties	43 32	81 37	—	61.5	-0.4	12	90.0	10	32.0	20	21.1	2.88	-0.09	1.59	10	20	—	—
Braman	43 54	81 30	908	59.2	-4.4	27	88.3	8	29.8	20	25.0	2.45	-0.15	0.80	13	17	—	—
Bracefield (Clinton)	44 23	81 25	—	61.0	-2.3	24	89.0	8	31.5	2	27.0	2.73	+0.72	1.04	11	19	—	—
Lucknow	43 45	81 41	—	61.0	-2.3	24	89.0	8	31.5	2	27.0	2.73	+0.72	1.04	11	19	—	—
North Bruce	44 30	81 21	656	59.5	-1.7	—	88.9	9	31.1	2	27.0	2.29	+0.20	1.17	13	17	—	—
Ridgeway (Godolphin)	44 30	81 21	656	59.5	-1.7	—	88.9	9	31.1	2	27.0	2.29	+0.20	1.17	13	17	—	—
Southampton	44 30	81 21	656	59.5	-1.7	—	88.9	9	31.1	2	27.0	2.29	+0.20	1.17	13	17	—	—

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, JUNE, 1914.

* Stations not furnished with Registering Thermometers

STATION	Latitude N.	Longitude W.	Elevation above sea level in feet.	TEMPERATURE					PRECIPITATION									
				Mean.	Difference from average.	Yr's Observations	Highest	Lowest	Date	Amount	Difference from Average.	Heaviest fall in month.	Days with 01 or more.	No. of fair days.	No. of auroras	No. of thunderstorms.	No. of fogs.	
ONTARIO—Continued—																		
Lakes St. Clair & Erie, Niagara Peninsula																		
Chatham	42 23	82 12	605	68.6	+2.3	32	97.0	8	18.0	20 23.2	2.90	+0.58	1.45	5	25			
Cottara	42 7	82 45	606	15.6	-2.0	32	95.0	8	31.0	19 28.5	2.07	-0.49	0.52	2	23			
Dutton	42 40	81 32		64.6	-	1	94.0	8	55.0	20 23.3	1.15	-0.95	0.65	2	22	1		
Grimsby	43 13	79 36		15.5	-	5	95.0	9	42.0	19 21.3	3.42	-	0.95	8	28			
Pelee Island	41 50	82 35	585	63.1	+0.5	11	84.0	10	37.5	20 18.0	1.91	-0.21	0.63	6	24			1
Port Burwell	42 39	80 55	592	63.0	-1.2	39	84.5	24	37.5	20 20.7	2.21	-1.36	0.62	10	20	3		
Port Dover	42 27	80 13	635	62.1	-1.5	39	88.2	24	36.5	17 19.4	2.27	-0.44	0.70	11	19	6	1	
Port Stanley	42 40	81 13	592															
St. Catharines	43 9	79 17	347	64.0	-2.1	29	97.0	8	38.0	20 21.0	2.68	-0.14	0.76	7	23			1
Stoney Creek	43 13	79 45	292	65.9	-	9	94.0	8	43.0	15 22.7	2.98	-	1.02	6	24			
Wallaceburg	42 35	82 24		66.6	+0.8	28	89.0	8-9	42.0	20 20.3	2.55	-0.35	0.69	6	24			
Welland	42 59	79 17	577	66.7	+0.3	39	91.0	9	44.0	20 18.2	3.13	-1.39	1.22	10	20			
Windsor	42 20	83 4	625															
West-Central Counties																		
Alton	43 51	80 5	1259	62.1	-0.6	27	90.0	9	32.5	20 22.0	2.35	+0.52	0.92	8	22		3	2
Brantford	43 10	80 21	750	64.5	-0.8	32	92.0	9	34.0	19 23.7	3.34	-1.14	1.25	11	19	3		
Elora	43 41	80 24	1274	61.6	-3.9	17	92.0	8	30.0	20 27.4	1.90	-0.14	0.46	11	19		1	
Guelph	43 33	80 16	1050	62.6	-3.4	36	89.0	8-9	34.0	20 24.1	2.76	-0.65	0.56	9	21			
Listowel	43 44	80 58	1262	61.6	-0.2	15	93.0	8	32.0	19 24.9	2.58	-0.81	0.69	5	25			
London	42 59	81 13	808	64.7	-1.2	29	94.0	8-9	35.0	20 24.6	2.71	+0.00	0.97	8	22		4	
Paris	43 12	80 25	840	64.3	-1.0	25	92.0	8-9	37.0	20 23.7	3.55	+1.33	0.92	10	20		4	
Sarnia	44 5	80 47																
Sarnburne	44 5	80 47																
Stratford	43 23	81 0	1191															
Woodstock	43 8	80 47	980	62.0	-2.4	40	88.0	9	35.0	20 20.4	1.97	-1.22	1.02	6	24			
Lake Ontario Counties																		
Agincourt	43 47	79 16	590	63.5	+1.0	18	91.0	24	35.0	20 24.0	1.73	-0.69	0.69	7	23		3	2
Aurora	43 57	79 24	886	60.2	-	6	91.0	9	32.7	5 23.8	1.96	-	1.32	7	23			
Georgetown	43 38	80 2		62.8	-	1	90.0	9	31.2	20 20.5	2.50	-0.24	0.75	11	19		5	
Hamilton	43 16	79 54	303	65.8	+0.2	39	95.0	9	40.0	20 20.4	-	-	-	-	2			
Oshawa	43 53	78 52	331	61.9	-	5	87.0	24	34.0	20 23.4	1.31	-	0.49	8	22			
Toronto	43 40	79 24	350	64.4	-0.2	74	91.3	24	35.0	20 20.9	2.17	-0.67	0.88	11	19		4	2
Toronto Is. (Lakeside Home)	43 40	79 24		66.8	+0.8	10	88.0	10-25	39.0	20 21.6	-	-	-	-				
Uxbridge	44 5	79 8	886	62.2	-0.8	10	91.0	8-9	33.0	6 22.3	1.66	-0.70	0.64	7	23			
Wexford	43 44	79 17	555	61.3	-	3	87.0	11	35.0	20 19.6	1.72	-	0.77	9	21		3	
East-Central Counties																		
Bancroft	45 1	77 50		59.8	-2.9	23	91.0	9	32.0	1-19 27.0	2.47	-	1.13	3	27		1	
Haliburton	45 1	78 28	1050	60.2	-2.0	25	91.0	8-9	30.0	6-20 31.4	5.42	+1.77	1.75	6	24		4	
Kilmount	44 55	8 38	920			13												
Lakefield	44 25	78 15	850	63.9	-2.7	27	91.0	10	38.0	20 21.8	1.67	-0.04	0.40	9	24			
Lindsay	44 20	78 45	872	62.3	-4.3	34	92.0	8-9	34.0	20 26.0	1.59	-1.72	0.88	9	24		1	
Madoc	44 30	77 29	575	61.6	-1.8	19	87.0	8	35.0	20 21.8	1.96	-0.48	0.65	7	23		1	
Norwood	44 24	77 57		63.2	-	2	91.0	9	35.0	6 26.1	0.59	-	0.59	1	29			
Peterboro	44 17	78 19	722	62.6	-3.9	38	93.0	8	35.0	20 24.7	1.18	-1.67	0.30	7	23		1	
Ursa	44 54	78 18																
QUEBEC—																		
Middle St. Lawrence																		
Bark Lake Depot	46 30	75 20		55.3	-	1	92.0	10	29.0	3 27.7	29.2	-	1.07	7	23			
Beauceville	46 11	70 48	557	57.5	-	1	87.0	25	51.7	4 27.0	3.00	-	0.59	11	19		2	
Brome	45 10	72 36	678	59.1	-3.0	33	85.0	24	35.0	6 19.2	3.14	-1.51	0.75	9	21			
Cap Rouge	46 45	71 18		57.4	-	4	86.0	25	32.0	2 21.6	3.28	-	0.71	17	13		5	
Cedar Rapids	45 21	74 5	132			2												
D'Isoel	45 55	71 21	896			4	85.0	25	36.0	2 23.2	4.30	-	0.72	9	21		1	
Drummondville	44 39	72 30		59.2	-	1	86.0	25	36.0	2 23.2	4.30	-	1.00	13	17			
Huberdeau	45 59	74 41	900	58.5	-	1	87.5	24	32.0	3 24.3	2.25	-	0.87	9	21		2	
Huntingdon	45 5	74 10		61.3	-	1	90.0	24	37.9	6-13 22.2	1.59	-	0.36	9	21			
Joliette	46 2	73 25				1	89.0	25			4.27	-	1.00	7	23			
Lake Megantic	45 35	70 53	1314	55.1	-	1	83.0	24	33.0	27 18.8	2.85	-	0.64	12	15		2	
MacDonald College (Ste. Anne de Bellevue)	45 27	73 59		55.4	-	8	81.4	25	32.6	2 26.3	0.92	-	0.29	15	15			
Montreal	45 30	73 35	187	62.1	-3.0	39	87.5	24	29.9	2 18.1	2.90	-1.12	0.84	12	18		2	
Nicolet	46 15	72 36		57.8	-	1	86.4	12	28.0	25 22.3	3.45	-	2.10	5	25			
Norwich	46 27	75 0		57.9	-	1	85.1	11	31.0	2 23.7	3.46	-	1.09	10	20			
Norwinn	46 27	75 0				39	85.6	24	32.0	2 20.2	2.99	-1.31	0.66	13	17		6	
Quebec	46 48	71 13	296	58.7	-	1	89.0	25	31.0	6 26.0	2.57	-	1.00	9	21			
St. Lin	45 45	73 47																
Shawbridge	45 54	74 3																
Shaworgan Falls	46 34	72 43		54.0	-5.5	11	87.0	21	27.0	2 23.4	3.64	-	1.09	13	17		5	
Sherbrooke	45 24	71 53	620	59.4	-	11	86.2	24	38.6	2 20.7	5.06	+0.73	1.04	14	16		2	
Lower St. Lawrence & Gulf																		
*Anticosti, E. Pt.	49 6	61 42	30	44.1	-4.6	31	51.0	23	33.0	3 -	1.87	-0.25	0.70	4	26			4
*Anticosti, S.W. Pt.	49 24	63 33		46.1	-3.0	32	70.5	18	30.0	5 16.8	3.79	+1.46	1.66	16	14			2
*Anticosti, W. Pt.	49 52	64 32	30	47.6	-6.4	32	65.0	18	31.0	5 -	3.82	+1.08	2.00	6	24			
*Bequet	48 25	68 63		53.3	+3.0	32	83.0	24	31.0	3 -	3.47	+0.18	1.00	8	22			
*Cape Chatte	49 6	66 45		50.9	-3.2	30	72.0	19	36.0	3 -	2.45	-0.78	0.90	7	23			
*Cape Magdalen	49 16	65 20	93	51.2	-3.9	32	82.0	19	35.0	5 -	5.78	+2.89	3.20	15	15	1		1
Causapscal	48 21	67 12	450			1												
Father Point	48 31	68 19	20	51.6	-1.0	36	76.0	19	32.0	2 16.4	2.16	-1.01	0.76	13	17			1
Ste Anne de la Pocatiere	47 22	70 2	65			4												
Tadoussac	48 10	69 47		53.9	-	1	86.0	25	30.0	4 19.1	2.50	-	0.75	12	18		3	

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA

*Stations not furnished with Registering Thermometers.

STATION				TEMPERATURE									
	Latitude	Longitude	Elevation above sea level, in feet	Mean	Difference from average	Yr's Observations	Highest	Lowest	Ice	Mean daily	Yr's range	Precipitation in inches	Yr's range
Lake St. John													
Chicooutimi	48 25 5	71 5	150	56.1	-3.7	37	85.6	24	31.5	4	106	10.8	
Chicooutimi (2)	48 25 5	71 5		49.2	—	4	58.0	17	28.0	4	106	10.8	
La Loutre Rapids	48 23 18	74 18	1288	59.8	—	2	85.0	21	28.5	4	106	10.8	
Lake Edward	47 39 15	72 15	1333		—	4							
La Tuque	47 27 48	72 48	520	57.8	—	3	80.0	25	3.0	1.15	45.4	1.1	
Mistassini	48 54 15	72 15	360	54.2	—	3	84.0	19	30.0	2.4	13.5	1.1	
Roberval	48 31 13	72 13	352	56.0	—	8	88.0	19	23.6	4	121	1.1	
The Northwestern Districts													
Abitibi	48 31 22	79 22		57.0	-1.1	18	84.0	9	27.0	2	25	1.6	
Amos	48 36 7	79 7		53.9	—	1	92.0	9	23.0	2	25	1.6	
Quinze Jans	47 34 16	79 16		57.8	—	1	96.0	9	12.0	5.1	15	1.6	
Temiskaming	46 44 7	79 7		62.9	—	1	96.0	9	28.0	2	32.2	1.6	
Ville Marie	47 55 25	79 25			—	1						1.6	
White Shore Lake	48 12 43	75 43	1394		—	3							
The North Shore													
Clarke City	50 10 25	66 25			—								
NEW BRUNSWICK—													
Chatham	47 3 29	65 29	21	57.0	-2.9	39	88.0	24	36.0	4	22.5	5.0	2
Dalhousie	45 4 22	66 22	39	55.6	-1.9	40	85.0	24	30.0	4	20.2	5.0	2
Edmunston					—								
Fredericton	45 57 30	66 30	164	56.9	-3.7	42	88.0	24	26.8	4	21.4	4.1	6.58
Fredericton (Exp. Farm)			106	56.6	—	1	85.5	24	28.0	4	26.5	4.34	6.58
Grand Falls	47 2 44	67 44		58.0	—	2	80.5	24	33.5	5	17.2	5.13	6.29
Moncton	46 9 45	64 45	50	55.6	+0.5	15	85.0	24	25.0	3	24.2	4.10	6.11
Point Lepreau	45 4 28	66 28	30	50.8	-4.9	32	65.0	11	43.0	1.5		2.7	6.06
St. John	45 17 6	66 6	70	54.7	-1.3	41	81.3	11	35.7	9	14.9	4.26	6.17
St. Stephen	45 11 16	67 16	35	56.9	-2.7	17	87.0	25	26.0	4	26.1	2.82	6.14
Sussex	45 38 6	68 6	96	55.9	-2.1	17	81.0	11	21.0	4	26.0	2.36	6.11
Williamshurg	46 20 43	66 43			—								
Woodstock					—	1							
NOVA SCOTIA—													
Advocate	45 19 46	64 46			—	2							
Annapolis				56.2	—	1	80.0	13	29.0	6	22.6		
Antigonish	45 38 59	61 59	50	54.1	—	4	84.0	24	26.0	4	25.4		
Berwick	45 5 50	64 50		55.5	—	1	79.0	24	28.0	4	23.4		
Halifax	44 39 36	63 36	88	55.9	-1.7	39	86.6	11	32.2	4	23.9	5.36	6.16
Kentville	45 3 36	64 36	40	53.6	—	3	84.0	24	27.0	4	23.8	5.88	6.11
Kentville (2)				56.2	—	2	82.0	24	32.1	4	22.8	4.23	6.10
Liverpool	44 0 40	64 40	56	56.2	—	2	81.0	25	30.0	3	10	4.0	6.23
Middleton				59.8	—	1	88.5	13	28.8	4	23.4	4.24	6.12
Nappan	45 16 34	64 34		54.2	—	1	77.0	11	26.0	4	21.7	4.13	6.12
New Germany	44 30 42	64 42		58.5	—	3	84.0	25	33.0	4	19.8	4.13	6.12
Parrsboro'	45 23 19	64 19	40	57.1	-2.7	17	77.0	11	26.0	4	24.2	4.02	6.12
Port Hastings	45 39 22	64 22	45		—								
Sable Island, E. Pt.	43 58 46	59 46	25	59.5	-2.4	1	65.0	20	49.0	5.9		4.66	6.11
Sable Island, Main Station	43 57 6	59 6	25		—	31							
Sutherland's River				53.1	—	1	83.0	24	30.0	3	27.8	4.12	6.12
Sydney	46 10 10	60 10	35	52.4	-2.3	41	88.0	24	34.5	4	25.2	4.13	6.12
Tarbo	45 22 18	63 18	77	51.7	-1.1	41	82.0	23	34.0	4	25.2	4.13	6.12
Tarbo (2)	45 25 15	63 15		51.4	—	2	79.0	25	41.1	4	22.5	4.13	6.12
Whitehead	45 15 8	61 8	20	45.5	-4.1	39	64.0	26	35.0	4	24.4	6.03	6.12
Windsor	44 54 6	64 6	90	50.3	-1.2	41	84.0	12	25	4	21.5	4.95	6.12
Wolville	45 7 20	64 20		54.4	-2.9	15	80.0	11	30.2	5.6	23.6	4.13	6.12
Yarmouth	43 50 2	66 2	65	53.7	-1.7	35	69.4	12	31.9	5	24.6	4.12	6.12
P. E. ISLAND—													
Charlottetown	46 14 16	63 16	38	55.1	-3.0	38	79.0	24	37.0	3.4	27.0	4.1	6.12
Charlottetown Exp. Farm	46 14 7	63 7	75	54.7	—	4	79.0	24	34.5	3	13.1	4.2	6.12
Hamilton	46 25 48	63 48			—								
Summerside	46 18 51	63 51			—								
NEWFOUNDLAND—													
Amour Point	51 28 51	56 51		41.5	-5.1	21	57.0	23	32.0	9	18.0	4.46	6.12
Burn	47 0 10	55 10	27	47.7	—	5	68.0	22	32.0	7	10	4.02	6.12
Cape Norman	51 38 52	55 52		40.9	-1.0	30	56.0	20	22.0	—		4.0	6.12
Fogo	49 43 57	54 57	30		—								
Point Riche	50 42 25	57 25		44.6	-2.3	20	60.0	25	33.0	1		6.05	6.12
Port aux Basques	47 35 19	59 19	27	44.2	—	6	65.0	24	30.0	5	11.8	4.14	6.12
St. George's	48 28 52	58 52		49.2	—	23	67.7	15	31.8	9	14.1	6.14	6.12
St. John's	47 34 42	52 42	125	51.4	+1.7	41	75.0	23	32.0	10	17.6	6.0	6.12
BRUNSWICK—													
Prospect	32 17 46	64 46	151	73.2	-1.6	23	83.8	28	60.8	8	10.2	7.0	6.12

PRECIPITATION AT STATIONS REPORTING RAIN, SNOW, WEATHER, &c., DURING JUNE, 1914.

STATIONS.	RAINFALL.					SNOWFALL.				REMARKS
	Amount in inches.	No. of Days .01 or over.	No. of Fair Days.	Heaviest Fall in Month.	Date.	Amount in inches.	No. of Days.	Heaviest Fall in Month.	Date.	
BRITISH COLUMBIA—										
Alkali Lake	2 05	18	12	0 41	21					
Annis (Canoe Point)	2 04	9	21	0 72	7					
Beaver Lake (Royal Oak)	4 19	7	23	1 37	6					
Coquitlam	2 36	5	25	0 77	23					
Denman's Island	4 23	15	15	0 85	20	*	1	*	20	
Ferguson	2 34	10	20	0 99	7					
Goldstream Lake	2 58	5	25	0 85	24					
Hornby Island										
Hydraulic	1 54	8	22	0 83	25					
Iavernere	3 51	10	20	1 78	7					
Jordan River	4 48	15	15	1 50	8					
Jordan River (Bear Creek)	2 65	5	25	0 74	7					
Little Quaticum (Fr. Cr. V.I.)	2 33	19	11	0 59	3					
Lunby	1 09	5	25	0 45	16					
Nnas Harbour	1 68	6	24	0 59	24					
Rock Creek	1 77	8	22	0 84	7					
Sooke Lake										
Stamps Falls (Alberni)	1 44	8	22	0 90	28					
Wychufe										
ALBERTA—										
Bardo	7 85	16	14	1 44	4					
Beaver Mines	2 76	4	26	2 21	25					
Bismark	7 10	11	19	1 36	5					
Bittern Lake	7 86	17	13	1 36	4					
Brooks	2 68	12	18	0 61	25					
Bruderheim										
Caldwell	1 98	7	23	0 63	24					
Clareholme	3 14	9	21	2 33	25					
Clarinda	1 65	7	23	0 48	5					
Coleman	1 76	5	25	0 86	25					
Conjuring Creek										
Cree Bank Ranch (Cowley)	3 06	11	19	1 57	25					
Dorealee (Bashaw)	8 85	22	8	2 39	5					
Dunstable (Five Lakes)	3 00	3	27	2 00	25					
Grassy Lake	3 35	12	18	1 25	25	S	1	S	24	
Jumping Pound										
La Pearl	1 95	12	18	1 32	25					
Lethbridge	3 10	3	27	1 60	25					
Lineham	3 76	10	20	2 12	25					
Lyndon										
Macleod	2 85	10	20	1 83	25					
Maycroft	2 61	4	26	1 17	25					
Mountain View	2 97	8	22	2 08	25					
Nanton	2 16	10	20	0 61	26					
Nateby										
Pekisko	6 01	10	20	1 20	3					
Ponoka	5 89	9	21	2 30	5					
Roycroft Ranch (Manville)	2 84	8	22	1 56	25					
Seven Persons	3 24	7	23	1 43	25					
Waterton Mills										
SASKATCHEWAN—										
Gull Lake	2 89	9	21	1 31	4					
Gull Lake (Fks. Swift Cur.)	2 70	10	20	0 69	4					
Wapashoo	1 32	12	18	0 31	5					
MANITOBA—										
Cartwright										
Deloraine	2 79	11	19	0 72	17					
Rapid City	1 32	6	24	1 13	6					
ONTARIO—										
Bow Park Farm (Brantford)										
Deer Park	1 89	7	23	0 89	7					
Dutton	1 15	2	28	0 65	19					
Emsdale	2 87	9	21	1 10	29					
Fort Frances										
Grand Valley	3 03	9	21	0 96	4					
Grantham										
MacCue	2 74	6	24	1 30	8					
Niagara Falls	3 40	5	25	1 45	7					
Nipigon										
Point Clark										
Princeton										
Rock Chapel (Grimsby)	2 87	10	20	0 87	4					
Strathroy										
Sydenham	1 85	—	23	0 65	3					
Watford	2 01	7	23	—	—					
Wawaitin Falls										
Westminster	2 23	4	26	0 71	27					
Westport	3 06	8	22	1 02	8					
Wiarloa	3 13	6	24	1 30	28					

PRECIPITATION AT STATIONS REPORTING RAIN, SNOW, WEATHER, &c., DURING JUNE, 1911.

STATIONS	RAINFALL					SNOWFALL				REMARKS
	Amount in inches	No. of Days .01 or over	No. of Fair Days.	Heaviest Fall in Month	Date	Amount in inches	No. of Days.	Heaviest Fall in Month	Date	
QUEBEC—										
Kipawa Dam	2 13	6	24	0 86	19					
Lucerno	2 88	5	25	1 30	28					
Perkins Mills	3 24	5	25	1 35	29					
Quinze Dam										
Timiskaming										
NEW BRUNSWICK—										
Point Escuminac	6 39	9	21	2 80	5					
NOVA SCOTIA—										
Milton	3 78	3	27	2 62	5					
South Alton	3 88	7	23	1 50	5					
White Rock	3 67	3	27	1 67	9					

STATION	Latitude N.	Longitude W.	Elevation above sea level, in feet.	PRESSURE.				Mean relative humidity	Mean amount of cloud	No. of days completely clouded.	DIRECTION OF WIND FROM									Total number of observations	VELOCITY OF WIND		
				Mean reduced.	Highest.	Lowest.	Range.				N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	C.		Mean miles per hour.	Maximum velocity.	Date and direction from.
BRITISH COLUMBIA—																							
Atlin	59 35	133 38	2210	30.03	30.39	29.73	0.76	78	—	4	0	0	0	0	32	2	0	3	23	60			
Barkerville	53 2	121 35	4180	29.91	30.35	29.44	0.91	57	—	2	0	0	1	1	19	2	0	36	60				
Kamloops	50 42	120 29	1245	29.88	30.32	29.53	0.79	71	—	1	1	8	4	10	0	21	1	14	60				
Nanaimo	49 10	123 37	125	29.88	30.18	29.44	0.74	71	—	1	5	9	2	7	4	3	2	7	21	60			
Prince Rupert	54 18	130 18	170	30.00	30.38	29.60	0.78	71	—	7	0	0	0	0	1	0	9	0	50	60			
Triangle Island	50 52	129 5	680																				
Tranquille	50 41	129 29		28.63	29.02	28.29	0.73	58	6	1	1	0	8	0	2	3	8	1	37	60			
Vancouver	49 17	123 5	136	30.00	30.31	29.55	0.76	75	4	5	1	2	14	10	4	3	9	9	8	60			
Victoria	48 24	123 19	85	30.02	30.32	29.57	0.75	76	4	2	5	5	1	4	3	35	5	0	2	60	13.6	43	2 SW
YUKON—																							
Dawson	64 4	139 20	1200	29.80	30.14	29.45	0.69	—	5	2	3	0	2	0	9	0	0	1	45	60			
ALBERTA—																							
Banff	51 10	115 34	4542	29.88	30.29	29.43	0.86	62	6	3	1	4	1	3	—	23	5	1	22	60			
Calgary	51 2	114 2	3389	29.86	30.30	29.31	0.99	66	5	7	6	9	3	1	1	2	1	28	9	60	6.2	21	17 NW
Edmonton	53 33	113 30	2158	29.84	30.23	29.26	0.97	70	6	4	6	5	9	1	8	8	4	12	7	60	6.7	20	20 E
Medicine Hat	50 1	110 37	2161	29.81	30.26	29.37	0.89	64	6	3	0	3	4	0	2	25	9	6	11	60			C NE
SASKATCHEWAN—																							
Regina	52 41	108 20	1620	29.85	30.27	29.35	0.87	50	5	4	2	2	12	2	1	2	4	1	34	60			
Moose Jaw	50 21	105 35	1759	29.80	30.23	29.33	0.90	84	5	6	2	4	24	4	0	9	13	5	29	90			
Prince Albert	53 10	106 0	1432	29.84	30.28	29.36	0.92	80	7	7	1	2	8	4	4	4	5	2	30	60			
Qu'Appelle	50 30	103 47	2115	29.87	30.26	29.40	0.86	74	6	4	0	10	6	11	6	10	6	10	1	60	9.4	26	5 SE
Swift Current	50 20	107 45	2439	29.83	30.22	29.34	0.88	81	6	6	2	3	9	10	4	18	5	5	4				

FREQUENCY OF THE WIND FROM THE EIGHT CARDINAL DIRECTIONS AT STATIONS OF
THE SECOND CLASS, DURING THE MONTH OF JUNE, 1914

STATION	DIRECTION OF WIND FROM								0	Total
	N	N.E.	E	S.E.	S	S.W.	W	N.W.		
ALBERTA—										
Athabasca Landing.....	1	3	4	3	7	2	6	4	0	30
Beaver Lodge.....	3	21	8	0	0	1	19	8	0	60
Didsbury.....	1	4	2	3	0	1	5	6	0	19
Hallark (Emsburg).....	1	4	7	13	4	5	4	21	1	60
Hillstown.....	0	3	2	8	3	3	2	25	13	60
Loveland.....	2	8	6	6	5	4	16	13	0	60
Macleod.....	0	1	0	1	0	2	38	9	0	60
Ranfurly (Watchick).....	2	4	16	11	4	7	10	19	14	90
Sion.....	1	3	5	18	3	12	24	16	0	82
SASKATCHEWAN										
Brownhill (Grenfell).....	1	9	5	16	6	9	2	12	0	60
Chaplin.....	0	4	9	5	8	4	24	0	6	60
Cresecent Lake.....	1	7	5	8	9	9	12	4	5	60
Estevan.....	1	0	12	1	0	4	3	1	8	30
Fort Qu'Appelle.....	0	7	12	8	8	17	6	2	0	60
Indian Head.....	1	11	14	12	7	13	14	11	1	90
Kamsack.....	0	0	2	2	0	0	0	0	26	30
Larchmount (Paustrum).....	0	7	14	1	0	5	28	3	2	60
Muenster (St. Peter's Monastery).....	1	0	1	27	16	5	6	4	0	60
Onion Lake.....	4	4	2	8	3	2	2	4	1	30
Pense (Gatesgarth).....	0	1	1	14	0	3	4	7	0	30
Waseca.....	1	3	0	11	1	1	8	5	0	30
Yarbo (Fairfield).....	0	1	8	1	2	1	17	0	0	30
MANITOBA—										
Berens River.....	0	23	5	3	3	14	5	3	22	78
Brandon.....	0	10	19	13	13	14	11	10	0	90
Hillview.....	8	9	9	1	8	4	9	4	8	60
Moose Horn Bay (Aitkensville).....	13	9	1	1	2	12	14	3	2	57
Morden.....	17	6	3	7	3	8	9	4	3	60
Oak Bank.....	0	13	3	6	3	9	14	12	0	60
Stony Mountain.....										
ONTARIO—										
Agincourt.....	2	4	14	6	8	18	5	33	0	90
Alton.....	34	1	10	1	7	1	25	11	0	90
Beatrice.....	9	1	2	5	7	5	4	16	41	90
Birnam.....	9	0	6	7	7	7	5	11	8	60
Brucefield.....	2	2	7	8	5	4	12	20	0	60
Cottam.....	18	0	6	7	25	3	1	0	0	60
Guelph.....	10	3	13	3	10	8	8	14	21	90
Gravenhurst.....										
North Bruce.....										
Orillia.....	2	4	0	0	6	5	7	5	0	29
Port Dover.....	4	6	2	0	1	7	2	8	0	30
Stoney Creek.....	0	29	16	1	1	31	9	3	0	90
Wexford.....	1	1	4	0	0	4	0	11	9	30
QUEBEC—										
Abitibi.....	23	3	6	2	16	3	24	12	1	90
Anticosti, Heath Point.....	4	3	15	3	1	18	10	19	17	90
Anticosti, West Point.....	3	13	8	1	31	5	10	19	0	90
Bicquet.....	6	20	1	0	11	25	13	9	5	90
Brome.....	7	0	1	0	10	3	39	0	0	60
Cape Chatte.....	2	0	18	0	1	1	43	4	21	90
Cape Magdalen.....	1	4	7	6	17	1	0	37	16	90
Cap Rouge.....	9	7	0	0	0	2	1	12	0	30
Cedars.....	1	5	1	1	0	10	7	5	0	30
Chicoutimi.....	0	12	1	16	0	15	8	18	20	90
Clarke City.....										
NEW BRUNSWICK—										
Dalhousie.....	4	0	11	1	0	0	8	4	1	29
Moncton.....	0	2	0	6	2	5	8	7	0	30
Pt. Lepreaux.....	8	4	13	4	5	13	14	17	0	78
Sussex.....	0	7	0	0	0	4	2	7	10	30
NOVA SCOTIA—										
Kentville.....	2	4	1	1	3	4	11	4	0	30
Liverpool.....	2	6	4	3	0	2	9	4	0	30
Sable Island, E. Pt.....	2	12	0	8	4	39	0	25	0	90
Whitehead.....	4	1	1	3	5	11	4	1	0	30

MEAN PROPORTION OF BRIGHT SUNSHINE REGISTERED IN EACH HOUR OF THE DAY IN THE MONTH OF
JUNE 1914

STATION.	HOURS ENDING															
	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.
British Columbia																
Shawnoigan Lake.....			.39	.65	.68	.66	.65	.66	.59	.65	.70	.66	.68	.61	.17	.44
Victoria.....		T	.43	.55	.60	.65	.69	.78	.77	.78	.80	.81	.74	.73	.64	.34
Salmon Arm.....			.33	.41	.44	.54	.63	.56	.57	.53	.55	.50	.47	.42	.36	.34
Nasaimo.....		.08	.39	.50	.58	.64	.58	.66	.60	.61	.59	.62	.70	.66	.62	.49
Sidney.....		.08	.43	.57	.61	.67	.69	.72	.71	.71	.75	.75	.71	.73	.65	.39
Vancouver.....		.08	.46	.52	.53	.63	.53	.54	.55	.63	.67	.69	.69	.66	.65	.49
Agassiz.....				.21	.38	.42	.44	.45	.56	.61	.49	.53	.54	.55	.50	.23
Tranquille.....			.22	.44	.59	.66	.67	.73	.75	.67	.74	.69	.58	.43	.46	.39
Summerland.....		.16	.44	.56	.61	.64	.65	.68	.71	.73	.61	.53	.67	.49	.43	.26
Kamloops.....																
Harper's Ranch.....																
Invermere.....		T	.16	.49	.57	.60	.63	.55	.52	.52	.44	.47	.41	.47	.46	.03
Alberta																
Edmonton.....		.15	.37	.36	.45	.45	.48	.64	.55	.57	.57	.62	.48	.44	.47	.42
Lethbridge.....		.18	.49	.65	.69	.68	.66	.71	.73	.67	.65	.60	.64	.62	.49	.48
Lacombe.....		.13	.43	.38	.44	.56	.58	.59	.58	.60	.52	.51	.47	.54	.44	.38
Medicine Hat.....		.26	.60	.63	.68	.63	.67	.58	.61	.68	.56	.60	.64	.64	.49	.51
Fort Dunvegan.....																
Fort Vermilion.....																
Saskatchewan																
Battleford.....		.15	.41	.47	.52	.54	.68	.60	.62	.64	.65	.67	.73	.62	.39	.41
Indian Head.....		.03	.33	.44	.49	.48	.51	.57	.62	.64	.67	.54	.66	.63	.45	.33
Moosejaw.....		.02	.32	.44	.50	.53	.59	.54	.53	.62	.65	.59	.58	.46	.43	.35
Scott.....		.04	.23	.53	.53	.52	.58	.67	.67	.57	.62	.54	.47	.43	.37	.01
Rosthern.....		.20	.45	.58	.61	.58	.60	.54	.63	.63	.68	.55	.63	.63	.61	.52
Manitoba																
Brandon.....		T	.09	.47	.68	.62	.71	.69	.57	.62	.58	.49	.36	.18	.01	
Winnipeg.....		.16	.52	.61	.63	.60	.67	.72	.73	.74	.73	.65	.68	.64	.53	.33
Le Pas.....			.06	.51	.56	.58	.62	.61	.64	.67	.67	.69	.68	.61	.62	.23
Ontario																
Halleybury.....		.25	.60	.59	.58	.65	.68	.76	.68	.68	.66	.62	.62	.62	.63	.55
Woodstock.....			.08	.45	.55	.60	.67	.70	.68	.72	.74	.72	.72	.67	.58	.47
Lindsay.....				.39	.68	.64	.65	.66	.63	.63	.67	.70	.69	.66	.55	
Barrie.....		T	.57	.64	.59	.65	.64	.65	.62	.65	.70	.71	.71	.70	.66	.04
Guelph.....		.06	.56	.61	.66	.70	.71	.73	.73	.73	.74	.73	.70	.64	.67	.52
Toronto.....		.01	.40	.64	.70	.67	.67	.70	.70	.74	.75	.70	.71	.65	.60	.46
Kingston.....		.03	.35	.61	.69	.74	.74	.76	.74	.68	.69	.66	.76	.69	.60	.45
Ottawa.....		.08	.50	.55	.60	.64	.68	.70	.70	.68	.70	.64	.68	.65	.61	.52
Quebec																
Montreal.....		.02	.38	.56	.59	.59	.61	.66	.72	.71	.74	.67	.66	.62	.60	.22
Cap Rouge.....		.04	.34	.50	.66	.64	.77	.62	.60	.53	.57	.58	.56	.44	.44	.21
Quebec.....			.25	.47	.58	.57	.62	.60	.63	.59	.64	.58	.69	.46	.49	.29
Ste Anne de la Pocatiere.....		.01	.40	.61	.58	.60	.62	.61	.62	.66	.67	.61	.54	.53	.41	.31
Sherbrooke.....		.13	.40	.47	.53	.56	.67	.63	.62	.60	.54	.60	.64	.69	.61	.48
New Brunswick																
Fredericton.....		.03	.36	.55	.55	.59	.62	.61	.64	.68	.66	.70	.69	.65	.60	.52
Prince Edward Island Charlottetown.....		.01	.67	.30	.40	.47	.50	.53	.66	.64	.64	.63	.62	.67	.63	.60
Nova Scotia																
Neppen.....			.29	.50	.58	.63	.67	.64	.65	.60	.56	.57	.56	.56	.55	.56
Wolfville.....																
Kentville.....		.01	.40	.68	.65	.63	.60	.53	.62	.54	.60	.62	.66	.69	.62	.45

SUMMARY OF SUNSHINE RECORDS

JUNE, 1914		Shawmigan Lake	Victoria.	Salmon Arm.	Nanaimo.	Sidney	Vancouver.	Agassiz.	Tranquille.	Summerland.	Kamloops.	Harper's Ranch.	Invermere.	Edmonton.	Lethbridge.	Lacombe.	Medicine Hat.	Fort Dunvegan.	Fort Vermilion.	Rattleford.	Indian Head.	Moose Jaw.	Scott.	Kootenai.	Brandon.	Winnipeg.	Le Pas.	Halleybury.	Woodstock.	Lindsay.	Bartle.	Toronto.	Kingston.	Ottawa.	Montreal.	Cap Rouge.	Quebec.	Ste Anne de la Pointe.	Sherbrooke.	Frederton.	Charlestown.	Napan.	Kentville.
Registered duration in hours.....	246	280	291	250	282	251	176	242	242	198	207	281	218	263	249	220	231	211	264	180	265	232	274	258	228	256	256	278	278	269	250	223	221	235	239	262	237	244	250
Percentage of possible duration.....	51	59	41	52	59	49	37	49	50	38	41	58	44	54	50	45	47	42	53	37	55	46	58	56	49	55	61	60	60	58	55	47	47	50	51	56	51	52	54
Difference from average.....	—	+14	—	+7	—	—	+4	—	—	—	—	—	—	—	+5	+3	—	—	—8	+3	—	—	—	+2	—4	+2	—	+4	+6	+9	—	—	—	—	—	—	—	—
Maximum percentage in one day.....	81	88	88	92	94	91	78	86	88	82	84	94	94	95	93	82	96	88	94	71	90	80	94	93	77	86	85	84	95	92	94	82	87	91	86	88	89	90	91
Date of maximum.....	11	14	30	23	15	29	14	29	29	30	15	30	19	19	8	8	8	12	8	15	13	9	26	16	10	5	1	16	17	5	5	27	22	27	27	27	27	27	27
Number of days completely clouded.....	2	2	1	2	4	4	4	1	1	3	4	2	7	2	3	4	6	2	2	5	0	4	4	2	3	2	2	3	2	2	4	3	3	2	4	4	4	4	1

Thunder recorded:

1. Fredericton Exp. Farm, New Germany, Sutherland's River, Shoal Lake, Kelowna, Salmon Arm, Tappen, Armstrong, Kingston, Halifax, Alsask.
2. Sioux Lookout, Saskatoon, Kindersley, Chaplin, Kintouci, Pense, Lost River, Fort Qu'Appelle, Crescent Lake, Moose Horn Bay, Nelson, Kelowna, Salmon Arm, Summerland, Salmon Arm Exp. Farm, Tappen, Westley, Greenwood, East Arrow Park, Creston, Crawford Bay, Armstrong, Medicine Hat, Edmonton, Quebec, Beaver Lodge, Boswell.
3. Rapid City, Brandon, Kintouci, Whitewood, Fort Qu'Appelle, Anglia, St. Alban's, Shoal Lake, Qualicum Lake, Lazo, Gravenhurst, Lumby, Qu'Appelle, Minnedosa, Winnipeg, Ranfurly, Campsie, Halkirk, Loveland, Alsask, Hillsdown, Perbeck, Springdale, Athabasca Landing, Fort Vermilion, Bardo, Bittern Lake, Rossland, Pend d'Oreille, Gateway.
4. Treherne, Saskatoon, Shoal Lake, Alberni, London, Moose Jaw, Springdale.
5. Almasippi, Swan Lake, Lake Megantie, Beauceville, Whitewood, Ignace, Chatham, N.B.
6. Almasippi, St. Alban's, Morden, Oakbank, Dryden, Rapid City, Rathmullen, Chaplin, Pense, Whitewood, Ignace, Sioux Lookout, Chilcotin, Hope, Medicine Hat, Minnedosa, Halkirk, Loveland, Bismark, Springdale.
7. Georgetown, Gravenhurst, Qu'Appelle, Kingston, Swan Lake, Treherne, Agincourt, Alton, Dryden, Kakabeka Falls, Rutherglen, Wexford, Sioux Lookout, Brantford, Birnam, Madoe, Schreiber, Bloomfield, Renfrew, Norwood, Peterborough, Haliburton, Hillier, Bancroft, Paris, Montague, Port Dover, Warton, Westport, Emsdale, Kindersley, Lost River, Morden, Whitewood, Shoal Lake, Winnipeg, Stonecliffe, Lindsay, Hamilton, Toronto, Loveland.
8. Almasippi, Kakabeka Falls, Wexford, Sioux Lookout, Georgetown, Westport, Rapid City, Crescent Lake, Ignace, Shoal Lake, Timmins, Westley, Minnedosa, Cochrane, Kingston, Stonecliffe, Brooks.
9. Almasippi, Treherne, Morden, Kakabeka Falls, Sioux Lookout, Emsdale, Fort Qu'Appelle, Swan Lake, Ignace.
10. Shoal Lake, Timmins, Tappen, Armstrong, Cochrane, Sydney, Sion, Springdale, Brazeau Forest, Beaver Lodge.
11. Almasippi, Rutherglen, Abitibi, Lost River, Timmins, Salmon Arm, Tappen, Chilliwack, Chilcotin, Hope, Swift Current, Campsie, Halkirk, Alix, Sion, Perbeck, Springdale, Bismark.
12. Fredericton, Liverpool, Cap Rouge, Chaplin, Woodstock, N.B., Hydraulic, Kelowna, N. Nicomen, Salmon Arm, Tappen, Vavenby, East Arrow Park, Enderby, Chilliwack, Chilcotin, Armstrong, Alberni, Fredericton, Princeton, Jordan River, Medicine Hat, Cochrane, Quebec, Charlottetown, Yarmouth, St. George's, Loveland, Sion, Springdale, Mayeroff, Mountain View.
13. St. Stephen, Cap Rouge, Hydraulic, Nelson, Richlands, Salmon Arm, Tappen, Vavenby, Westley, Enderby, Babine Lake, Fredericton, Jordan River (Bear Creek), Medicine Hat, Moose Jaw, Quebec, Loveland.
14. Abitibi, Westport, Pense, Crescent Lake, Timmins, Hydraulic, Kelowna, Salmon Arm Exp. Farm, Vavenby, Enderby, Chinook Cove, Chilcotin, Babine Lake, Haileybury, Brazeau Forest, Pend d'Oreille.
15. Chicoutimi, Brome, D'Israeli, Cap Rouge, Shawinigan Falls, Vavenby, Chicoutimi (2), Quesnelle, Richlands, Salmon Arm, Glacier, East Arrow Park, Chinook Cove, Crawford Bay, Wilmer, Fredericton, Sherbrooke, Ferguson, Banff, Quebec, Sion, Expanse Conlee, Okotoks, Pekisko, Brazeau Forest, Beaver Lodge, Ponoka, Dunstable, Boswell.
16. Cap Rouge, Grand Falls, Moose Horn Bay, Nakusp, Babine Lake, Calgary, Deloraine, Wolfeville, Ranfurly, Loveland, Sion, Hillsdown, Springdale, Beaver Lodge, Jumping Pond.
17. Hillview, Oakbank, Shawinigan Falls, Brandon, Saskatoon, Rathmullen, Chaplin, Yellow Grass, Pense, Lost River, Crescent Lake, Babine Lake, Edmonton, Swift Current, Qu'Appelle, Minnedosa, Winnipeg, Deloraine, Ranfurly, Campsie, Halkirk, Loveland, Sion, Perbeck, Springdale, Brazeau Forest, Athabasca Landing, Beaver Lodge.

18. Hillier, Georgetown, Port Dover, D'Israeli, Cap Rouge, Brome, Shawinigan Falls, Kindersley, Scott, Richlands, Vavenby, Chicoutim, Alberni, Qu'Appelle, Montreal, Quebec, Ranfurly, Campsie, Halkirk, Loveland, Sion, Hillsdown, Perbeck, Springdale.
19. Almasippi, Madoe, Haliburton, Almonte, Paris, Chicoutim, Tadousac, Shawinigan Falls, La Malbaie, Chaplin, Cottam, Babine Lake, Qu'Appelle, Pt. Stanley, Deloraine, Sion.
20. Almasippi, Rathmullen, Windsor, N.S., Hydraulic, Richlands, Salmon Arm Exp. Farm, East Arrow Park, Chilliwaek, Armstrong, New Westminster, Clatham, N.B., Vancouver, Ranfurly, Sion, Springdale, Fort Vermilion.
21. Scott, Salmon Arm, Westley, Halkirk, Loveland, Sion, Springdale.
22. Pt. Stanley, Charlottetown, Halkirk, Sion.
23. Lake Megantic, Mistassini, Tadousac, Shawinigan Falls, Chicoutimi, Nicolet, Westport, Saskatoon, Elora, Westley, Gravenhurst, Edmonton, Sion.
24. Charlottetown and Exp. Farm, Fredericton, New Germany, Agincourt, Brantford, Birnam, Madoe, Lucknow, Haliburton, Brome, Almonte, Georgetown, Paris, D'Israeli, Tadousac, Huberdeau, Perkin's Mills, Westport, Cottam, Ridgerest, Timmins, Brucefield, Alton, Cedars, Fredericton, Gravenhurst, London, Cochrane, Ottawa, Montreal, Toronto, Sion.
25. Berwick, Kentville, Liverpool, Morrisburg, Abitibi, Cottam, Sherbrooke, Truro (2), Pt. Stanley, Quebec, St. John, Yarmouth, Pt. aux Basques, St. George's, Wolfville, Rossland, Perry Siding.
26. Treherne, Pt. Riche, Woodstock, Ont., Gravenhurst, Hamilton.
27. Agincourt, Beatrice, Dutton, Sioux Lookout, Brantford, Birnam, Georgetown, Paris, Port Dover, Brucefield, Warton, Ridgerest, Rathmullen, Chaplin, Kakabeka Falls, Lucknow, Alton, Salmon Arm Exp. Farm, Fruitlands (Elko), Gravenhurst, Moose Jaw, Pt. Arthur, Parry Sound, Pt. Stanley, Kingston, Toronto, Halkirk, Sion, Springdale, Okotoks, Brazeau Forest, Beaver Lodge.
28. Agincourt, Beatrice, Morrisburg, Wexford, Madoe, Haliburton, Georgetown, Huberdeau, Westport, Emsdale, Kindersley, Pense, Crescent Lake, Moose Horn Bay, Coldwater, Salmon Arm, Tappen, Gravenhurst, London, Edmonton, Pt. Stanley, Toronto, Ranfurly, Sion, Springdale, Expanse Coulee, Beaver Lodge, Rossland, Perry Siding.
29. Almasippi, Treesbank, Treherne, Morrisburg, Saskatoon, Lost River, Whitewood, Moose Horn Bay, Shoal Lake, Fredericton, London, Swift Current, Pt. Stanley, St. John, Ranfurly, Sion, Perbeck, Springdale, Expanse Coulee.
30. Almasippi, Treesbank, Treherne, Rapid City, Muenster, Saskatoon, Chaplin, Halesyonia, Whitewood, Ft. Qu'Appelle, Moose Horn Bay, Hillsview, Shoal Lake, Qu'Appelle, Minnedosa, Sion.

Auroras recorded:

- 1.
- 2.
- 3.
- 4.
- 5.
6. Rutherglen.
7. *
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
- 17.
18. Sioux Lookout.
19. Sioux Lookout, Haileybury III.
- 20.
- 21.
- 22.
- 23.
24. Morrisburg, Moose Horn Bay III.
25. Haileybury IV.
26. Mistassini, Madoe II., Cape Magdalen, Timmins, Haileybury III., Quebec III.
27. Morrisburg, Morden III., Timmins, Quebec IV, Causapscal.
- 28.
29. Wawaitin.
- 30.

FORECASTS FOR JUNE, 1914

The forecasts issued by this office at 11 p.m. each night, are posted up at every telegraph station in Canada, and are for the 24 hours beginning at 8 a.m. the following day.

The number of these predictions issued during the month was 1215. These were divided as follows:

DISTRICT.	No. Issued	VERIFIED.			Per centage
		No. Fully	No. Partly	No. Not	
Alberta	70	52	10	8	82.0
Saskatchewan	6	6	12	2	88.4
Manitoba	71	51	9	11	78.2
Lake Superior	121	8	33	7	8.6
Lower Lake Region	116	7	34	6	8.2
Georgian Bay	116	77	32	7	8.2
Ottawa Valley	88	58	18	12	77
Upper St. Lawrence	98	50	21	8	70.0
Lower St. Lawrence	113	76	28	9	79.0
Gulf	122	70	20	14	76.6
Maritime Provinces West	118	84	17	7	82.6
Maritime Provinces East	118	85	27	6	83.5
Total	1215	33	250	93	80.0

In order to obtain the percentage of verification of the predictions, the number partly verified is divided by two and added to the number fully verified, and the result divided by the total number issued.

In ascertaining to what extent the predictions have been verified, the reports from the agents at all observing stations, as well as the telegraphic reports, are used.

R. F. STUPART, Director.

Meteorological Office, Toronto,
August 21st, 1914.

